

5"**5FR**

Ferrite Full-Range



Key features:

- WIDE RANGE FREQUENCY RESPONSE
- RUBBER SURROUND, CUSTOM PAPER PULP CONE
- DESIGNED FOR HI-FI, STUDIO DESK-TOP, COLUMNS OR OTHER MULTI-WAY SYSTEMS

Design notes:

5FR delivers a good balance of low-mid frequencies. Extended frequency response opens opportunity to design compact audio systems with sizable amounts of low frequencies, yet with great clarity in mid to high frequency region. The optimized behavior of this driver in the mid-frequency region allows the audio engineers to design simplified passive crossovers or DSP without the need for large equalizations.

The magnetic structure was designed around a large high-grade ferrite magnet. All steel parts are extensively coated to cope with the most demanding environments.

The cone paper pulp and surround were fully developed by REDCATT engineers and address all major break-up modes. The speaker has improved off-axis frequency response.

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Specifications:

General specs

Nominal Diameter: 5"

Rated Impedance: 8 ohm

Power handling

AES Power: 60 watts

Program Power: 120 watts

Peak Power: 240 watts

Voice Coil

Diameter: 1 in.

Winding wire: Copper

Former: kapton

Winding height: 9 mm

T/S Parameters

Resonant frequency: 92 Hz

Re: 5.8 ohm

Qes: 0.73

Qms: 11.4

Qts: 0.69

Vas: 3.8 liters

Sd: 90 cm²

Sensitivity: 89.55 dB

Mms: 8.8 grams

Bl: 6.3

Le: 0.47 mH

Design details

Surround Material: Rubber

Cone material: Paper

Spider: Nomex

Plate thickness: 5 mm

Peak to peak linear cone displacement: 4.8 mm

Overall diameter: 130.5 mm

Bolt circle diameter: 139 mm

Baffle cutout dia.: 113.5 mm

Number of mounting holes: 4

Depth (flange to rear): 61 mm

Net weight: 0.99kg

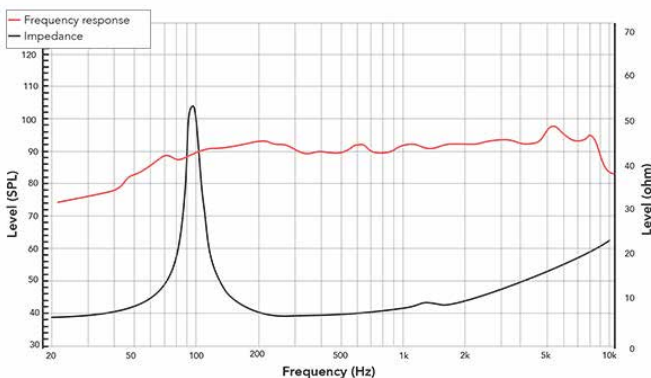
Ordering codes:

5FRX8-465A

Recone kits:

In many cases REDCATT produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance you need in your request.

Frequency response & Impedance



Frequency response measured on IAC baffle

2D drawing

